

## **PHYTOCHEMICALS ANALYSIS OF VARIOUS PARTS OF THE AVOCADO PLANT (PERSEA AMERICANA)**

*Pavitra Shyam & S. Kauvery Bai*

*Research Scholar, Smt. V. H. D. Central Institute of Home Science, Bangalore University, Karnataka, India*

### **ABSTRACT**

*Phytochemical screening was conducted on its leaves, bark, seed, and fruit skin of the Avocado. The active ingredients in the avocado plant part were extracted in three solvents- Distilled water, 70% ethanol and acetone. Qualitative tests were conducted on the supernatant extracted from the different plant parts of the Avocado using different chemical tests to detect and identify the various classes of phyto chemicals present. The screening revealed presence of Alkaloids, Flavonoids, Terpenoids, Saponins, tannins etc. The phenolics and flavonoids were further studied to analyse them quantitatively. As seen by the phyto chemical tests conducted on the various parts of the avocado (*Persea Americana*), the plant parts of the avocado showed good results for the presence of tannins and hence this study ascertains the use of these plant extracts as a dye on fabrics. Most extracts also showed some amount of phenolic and flavonoid content, so they could also play a significant role in enhancing the performance of textiles as health benefitingeco-friendly finishes.*

### **KEYWORDS:**

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#### **Article History**

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